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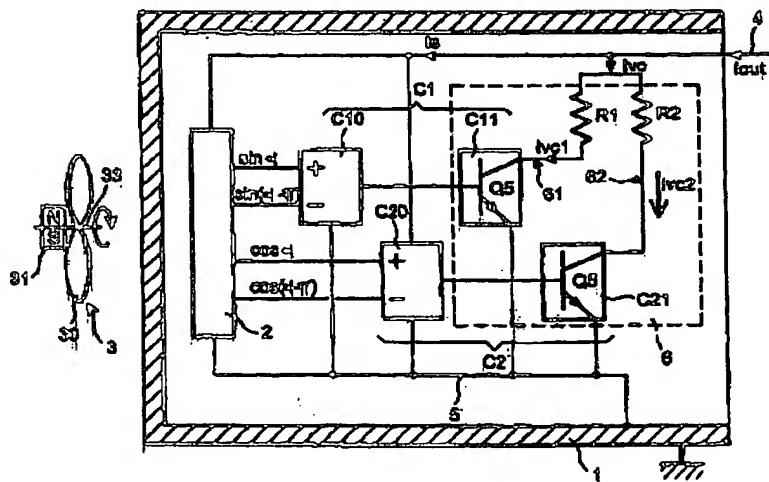
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[Continued on next page]

(54) Title: COMPACT DEVICE FOR MEASURING THE SPEED AND THE DIRECTION OF ROTATION OF AN OBJECT



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(57) Abstract: The invention concerns a device for measuring the speed and direction of rotation of an object (3) near to which it is placed. It comprises: - a magnetic detection device (2) that delivers, in response to a rotation of the object (3) generating a magnetic field variation, signals representative of its speed and its direction of rotation, - a conductor (4) intended to be connected to a power source to supply current to the magnetic detection device (2) at least, - current receptor means (6) placed between the magnetic detection device (2) and the conductor (4) that create, from signals coming from said magnetic detection device (2), a modulation of the current (Iout) flowing in the conductor (4), said modulated current (Iout) reflecting both the speed and the direction of rotation of the object (3). Application particularly in the oil industry.



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A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	G01F1/115	G01F15/06	G01P5/06	G01P3/48	G01P13/04
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	WO 99 49322 A (CONTINENTAL TEVES AG & CO OHG ;LOHBERG PETER (DE); ZYDEK MICHAEL () 30 September 1999 (1999-09-30) page 4, last paragraph -page 8, paragraph 3; figures	1-14,17
A	US 3 636 767 A (DUFFY LAURENCE SIDNEY) 25 January 1972 (1972-01-25) column 1, line 42 - line 49 column 2, line 36 -column 3, line 5 column 5, line 17 - line 28; figures 1-4,15	1,15-18
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Patent family members are listed in annex.

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International Application No
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